

# IMPORTANT

## MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL  
OSHA requires that this form be kept on file.

Product No. SA 9754 M

Product Name **SODIUM PHOSPHATE,**  
DIBASIC ANHYDROUS

Health Hazard	1
Flammability	0
Reactivity	1

### SECTION I NAME

Chemical Synonyms Sodium Phosphate

Formula  $Na_2HPO_4$

C.A.S. No. 7558-79-4

Principal Hazardous Component(s) PEL TLV Units

N/A

### SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

SECTION III PHYSICAL DATA	SECTION I NAME
Melting Point (°F) 646°F	Specific Gravity (H <sub>2</sub> O=1) 1.62
Boiling Point (°F) N/A	Percent Volatile by Volume (%) N/A
Vapor Pressure (mm Hg) N/A	Evaporation Rate (±1) N/A
Vapor Density (Air=1) N/A	Solubility in Water Soluble
Appearance & Odor White granular powder. Hygroscopic. Odorless.	

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable Limits in Air % by Volume	Lower	Upper
N/A		N/A	N/A

Extinguishers Use any means suitable for extinguishing surrounding fire.

### Special Firefighting Procedures

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

### Unusual Fire and Explosion Hazards

Not considered to be a fire or explosion hazard.

DEC 28 1995

D.O.T. Not Regulated

None established.

944C

Effects of Overexposure  
Inhalation of dust may cause mild irritation to the mucous membranes of respiratory tract. May cause mild skin irritation. May cause eye irritation. Material is essentially non-toxic but can cause irritation to the mucous membranes because of alkalinity

### Emergency and First Aid Procedures

**INHALATION:** Remove to fresh air. Get medical attention for any breathing difficulty. **INGESTION:** If swallowed, give three glasses of milk or water to dilute and get immediate medical attention. **SKIN CONTACT:** Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists. **EYE CONTACT:** Wash eyes with plenty of water for at least 15 minutes. If irritation develops, get medical attention.

### SECTION VI REACTIVITY DATA

Stability Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	Conditions to Avoid N/A
Incompatibility (Materials to Avoid)	Acids
Hazardous Decomposition Products	When heated to decomposition, can emit highly toxic fumes of oxides of phosphorus and sodium.
Hazardous Polymerization May <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid N/A

### SECTION VII SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled  
Ventilate area of leak or spill. Clean-up personnel may require respiratory protection from dust. Sweep up and containerize for reclamation or disposal.

**Waste Disposal Method**  
Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of small-quantity material. Whatever cannot be saved for reclamation may be delivered to an approved waste disposal facility. Flush spill area with water.

### SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify type)	NIOSH approved dust respirator.		
Ventilation	X	Special	
Protective gloves	X	Eye Protection	Safety goggles
Other Protective Equipment		Lab coat.	Eye wash and shower available.

### SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing  
Store in a cool, dry, ventilated area. Protect against physical damage.

Other Precautions  
Read label on container before using. Do not wear contact lenses when working with chemicals.  
N/A

Approved by Steven C. Quardt Effective Date 12/06/94

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